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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
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| 10/603,447 | 06/25/2003 | Mikael Nilsson | P14809-US1 | 4367 |

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01/03/2007

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| EXAMINER |
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POPHAM, JEFFREY D

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| ART UNIT | PAPER NUMBER |
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2137

| SHORTENED STATUTORY PERIOD OF RESPONSE | MAIL DATE | DELIVERY MODE |
|--|------------|---------------|
| 3 MONTHS | 01/03/2007 | PAPER |

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary

Application No.

10/603,447

Applicant(s)

NILSSON ET AL.

Examiner

Jeffrey D. Popham

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 25 June 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,2,5,7-9,11-17,20-25 and 29-32 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,2,5,7-9,11-17,20-25 and 29-32 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 25 June 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>20031106</u> . | 6) <input type="checkbox"/> Other: _____ |

Remarks

Claims 1, 2, 5, 7-9, 11-17, 20-25, and 29-32 are pending.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

1. Claims 1, 2, 5, 7-9, 11-17, 20, 23, 24, and 29-31 are rejected under 35

U.S.C. 102(b) as being anticipated by O'Neil (U.S. Patent 5,987,440).

Regarding Claim 1,

O'Neil discloses an arrangement for protection of end user personal profile data in a communication system including a number of end user stations and a number of service/information/content providers or holding means holding end user personal profile data comprising:

An intermediate proxy server supporting a first communication protocol for end user station communication (Column 5, line 26 to Column 6, line 6; Column 15, line 54 to Column 16, line 6; and Figure 2);

Means for providing published certificates (Column 6, lines 7-23);

A personal profile data protection server supporting a second communication protocol for communication with the intermediary proxy server and a third communication protocol for communication with one of

the service/information/content providers, the personal profile data protection server further comprises an API allowing service/information/content provider queries/interactions, and storing means for storing of end user specific data and end user personal profile data (Column 17, lines 14-42; Column 41, line 31 to Column 42, line 31; and Column 45, line 53 to Column 46, line 46); and

Wherein the intermediary proxy server further comprises means for verifying the genuinity of a certificate requested over the second communication protocol from the personal profile protection server against a published certificate and in that the service/information/content server can request, via the API, personal profile data and in that personal profile data is delivered according to end user preferences or in such a manner that there is no association between the actual end user and the personal profile data of the end user (Column 4, lines 25-40; Column 39, lines 40-50; Column 40, line 37 to Column 41, line 6; and Column 41, line 31 to Column 42, line 31).

Regarding Claim 2,

O'Neil discloses that the first communications protocol is a secure protocol (Column 4, lines 25-40).

Regarding Claim 5,

O'Neil discloses that the second communication protocol is a secure protocol (Column 4, lines 25-40).

Regarding Claim 7,

O'Neil discloses that the intermediary proxy server is an HTTP proxy (Column 40, line 59 to Column 41, line 37).

Regarding Claim 8,

O'Neil discloses that the intermediary proxy server comprises holding means for holding published certificates (Column 16, lines 7-35).

Regarding Claim 9,

O'Neil discloses that the intermediary proxy server is in communication with external holding means holding published certificates (Column 6, lines 7-23).

Regarding Claim 11,

O'Neil discloses that the intermediary proxy server is located within an intranet or at an operator's premises (Column 5, line 26 to Column 6, line 6; Column 15, line 54 to Column 16, line 6; and Figure 2).

Regarding Claim 12,

O'Neil discloses that the intermediary proxy server comprises a functionality for establishing a security communication agreement with the protection server (Column 4, lines 25-40).

Regarding Claim 13,

O'Neil discloses that the user preferences are stored in the end user station (Column 5, line 26 to Column 6, line 6; and Column 6, lines 53-64).

Regarding Claim 14,

O'Neil discloses that the user preferences relating to privacy level are stored in the intermediary proxy server (Column 35, lines 18-31 and Column 47, line 48 to Column 48, line 34).

Regarding Claim 15,

O'Neil discloses that the user preferences relating to privacy level are stored in separate fast access storing means after completion of the security communication agreement (Column 20, lines 38-50; and Column 24, lines 19-25).

Regarding Claim 16,

O'Neil discloses that the protection server comprises an API allowing service/information/content provider control of site and page policies, and in that if the end user privacy level is increased, data below the privacy level is deleted (Column 12, line 32 to Column 13, line 3).

Regarding Claim 17,

O'Neil discloses that the protection server provides certificates, and preferably signatures upon request by the intermediary proxy server (Column 4, lines 25-40; Column 39, lines 40-50; Column 40, line 37 to Column 41, line 6; and Column 41, line 31 to Column 42, line 31).

Regarding Claim 20,

O'Neil discloses that the protection server storing means comprises at least three tables containing information about end user specific data,

personal profile data information and statistical data respectively (Column 17, line 14 to Column 18, line 42; and Column 54, line 44 to Column 55, line 45).

Regarding Claim 23,

O'Neil discloses a method for protection of end user personal profile data in a communication system with a number of end user stations and a number of service/information/content providers, comprising the steps of:

Registering a certificate for an end user personal profile protection server with a trusted third party (Column 6, lines 7-23);

Providing a request for the certificate from an intermediary proxy server in communication with an end user station using a first communication protocol, to the protection server over a second communication protocol (Column 4, lines 25-40; Column 39, lines 40-50; Column 40, line 37 to Column 41, line 6; and Column 41, line 31 to Column 42, line 31);

Providing a response from the protection server to the intermediary proxy server (Column 4, lines 25-40; Column 39, lines 40-50; Column 40, line 37 to Column 41, line 6; and Column 41, line 31 to Column 42, line 31);

Verifying, in the intermediary proxy server that the certificate is genuine, thereby belonging to the respective protection server and is

registered with the trusted third party (Column 4, lines 25-40; Column 39, lines 40-50; Column 40, line 37 to Column 41, line 6; and Column 41, line 31 to Column 42, line 31);

After confirmation that the certificate is genuine, allowing the service/information/content provider to retrieve end user data and personal profile data according to a policy setting and an end user privacy level over an API and a third communication protocol (Column 20, lines 1-28; and Column 51, lines 1-33).

Regarding Claim 24,

O'Neil discloses establishing an end user personal profile data security agreement between the intermediary proxy server and the protection server (Column 4, lines 25-40).

Regarding Claim 29,

O'Neil discloses that end user preferences (privacy levels) are stored in the end user station or in the intermediary proxy server, and in that they can be separately stored after confirmation of an agreement (Column 5, line 26 to Column 6, line 6; Column 6, lines 53-64; Column 35, lines 18-31 and Column 47, line 48 to Column 48, line 34).

Regarding Claim 30,

O'Neil discloses providing an API at the protection server (Column 41, line 31 to Column 42, line 31; and Column 45, line 53 to Column 46, line 46);

Using the API for queries to the protection server from the service/information/content provider (Column 41, line 31 to Column 42, line 31; and Column 45, line 53 to Column 46, line 46);

Providing responses over the third communication protocol to the service/information/content provider (Column 20, lines 1-28; and Column 51, lines 1-33).

Regarding Claim 31,

O'Neil discloses storing data in a number of tables in the protection server relating to user specific data, end user personal profile data and statistical data (Column 17, line 14 to Column 18, line 42; and Column 54, line 44 to Column 55, line 45).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 21, 22, and 32 are rejected under 35 U.S.C. 103(a) as being unpatentable over O'Neil in view of Walker (U.S. Patent 5,884,272).

Regarding Claim 21,

O'Neil may not disclose that the end user specific data and end user personal profile data is provided to the service/information/content

provider in such a manner that the end user cannot be traced by the service/information/content provider.

Walker, however, discloses that the end user specific data and end user personal profile data is provided to the service/information/content provider in such a manner that the end user cannot be traced by the service/information/content provider (Column 9, lines 26-39; Column 16, lines 33-57; and Column 19, lines 19-36). It would have been obvious to one of ordinary skill in the art at the time of applicant's invention to incorporate the anonymous communication techniques of Walker into the personal information security and exchange tool of O'Neil in order to allow the parties to remain anonymous, while still providing and/or obtaining useful information from the other party, as well as to allow the parties to disclose their identities only at a time that they see fit.

Regarding Claim 22,

O'Neil as modified by Walker discloses the system of claim 21, in addition, Walker discloses that the protection server comprises means for pseudonymizing statistical information and personal profile information by using a unique pseudo for each URL of the service/information/content provider that is requested (Column 9, lines 26-39; Column 16, lines 33-57; and Column 19, lines 19-36).

Regarding Claim 32,

O'Neil may not disclose pseudonymizing statistical data and profile information such that end user personal data cannot be associated or tied to the actual end user.

Walker, however, discloses pseudonymizing statistical data and profile information such that end user personal data cannot be associated or tied to the actual end user (Column 9, lines 26-39; Column 16, lines 33-57; and Column 19, lines 19-36). It would have been obvious to one of ordinary skill in the art at the time of applicant's invention to incorporate the anonymous communication techniques of Walker into the personal information security and exchange tool of O'Neil in order to allow the parties to remain anonymous, while still providing and/or obtaining useful information from the other party, as well as to allow the parties to disclose their identities only at a time that they see fit.

3. Claim 25 is rejected under 35 U.S.C. 103(a) as being unpatentable over O'Neil in view of P3P ("P3P 1.0: A New Standard in Online Privacy", 9/13/2000, pp. 1-6, obtained from <http://web.archive.org/web/20010516173343/www.w3.org/P3P/brochure.html>).

O'Neil does not explicitly disclose that the agreement comprise a P3P agreement.

P3P, however, discloses that the agreement comprises a P3P agreement (Pages 1-5). It would have been obvious to one of ordinary skill in the art at the time of applicant's invention to incorporate the privacy standard of P3P into the

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personal information security and exchange tool of O'Neil in order to allow the system to interoperate with other privacy systems that implement the P3P standard.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. "The Platform for Privacy Preferences 1.0 (P3P1.0) Specification", 12/15/2000, found online at <http://www.w3.org/TR/2000/CR-P3P-20001215/>. This reference has not been printed since it is large and not used in rejection.

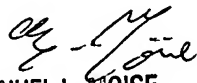
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jeffrey D. Popham whose telephone number is (571)-272-7215. The examiner can normally be reached on M-F 9:00-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Emmanuel Moise can be reached on (571)272-3865. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Jeffrey D Popham
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Art Unit 2137


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